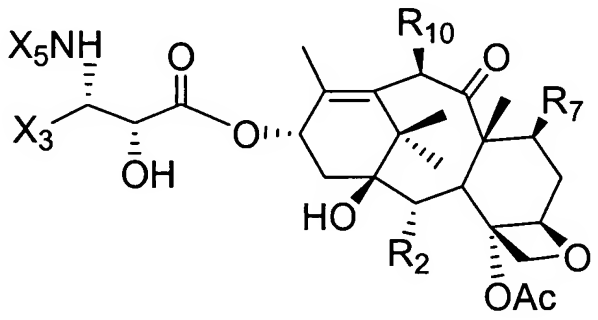
Express Mail No. EV 432654606 US

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in this application.

Listing of Claims:

1. (currently amended) A method of inhibiting tumor growth in a mammal, said method comprising administering a therapeutically effective amount of a composition comprising at least one pharmaceutically acceptable carrier and a taxane having the formula



wherein

X_3 is 2-thienyl, 3-thienyl, 2-furyl, 3-furyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, isopropyl, isobutenyl, cyclopropyl, cyclobutyl or cyclopentyl;

X_5 is $-COX_{10}$ and X_{10} is 2-furyl, 2-thienyl, 3-pyridyl, 4-pyridyl, n-propyl, isobutyl, **or** butenyl ~~**or isobutenyl**~~ or X_5 is $-COOX_{10}$ and X_{10} is ethyl, n-propyl, isopropyl or isobutyl;

R_2 is benzoyloxy;

R_7 is $R_{7a}COO-$;

R_{10} is hydroxy; and

R_{7a} is heterosubstituted methyl.

2. (original) The method of claim 1 wherein X_3 is 2-thienyl or 3-thienyl.

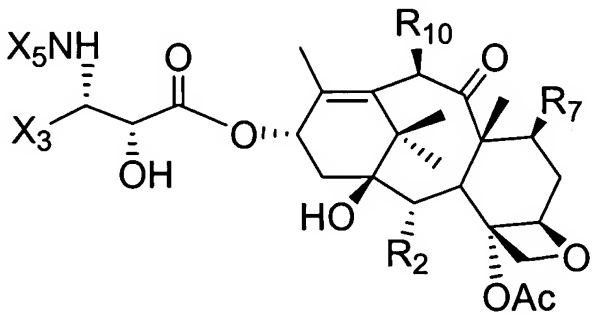
3. (original) The method of claim 1 wherein X_3 is 2-furyl or 3-furyl.

4. (original) The method of claim 1 wherein R_{7a} is acetoxymethyl, methoxymethyl, phenoxymethyl, ethoxymethyl or methylthiomethyl.

5. (original) The method of claim 4 wherein X_3 is 2-furyl or 3-furyl.

6. (original) The method of claim 4 wherein X_3 is 2-thienyl or 3-thienyl.

7. (previously presented) A method of inhibiting tumor growth in a mammal, said method comprising administering a therapeutically effective amount of a composition comprising at least one pharmaceutically acceptable carrier and a taxane having the formula



wherein

X_3 is 2-furyl or 2-thienyl;

X_5 is $-COOX_{10}$ and X_{10} is t-amyl;

R_2 is benzoyloxy;

R_7 is $R_{7a}COO-$;

R_{10} is hydroxy; and

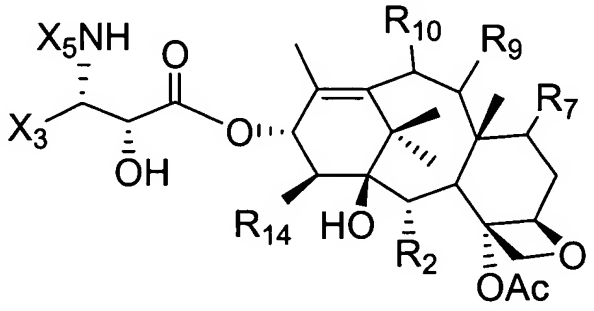
R_{7a} is methoxymethyl or acetoxymethyl.

8. (original) The method of claim 7 wherein R_{7a} is methoxymethyl.

9. (original) The method of claim 7 wherein X_3 is 2-furyl.

10. (original) The method of claim 7 wherein X_3 is 2-thienyl.

11. (original) A method for preparing a pharmaceutical composition comprising mixing at least one nonaqueous, pharmaceutically acceptable solvent and a taxane having the formula



wherein

R_2 is acyloxy;

R_7 is heterosubstituted acetate;

R_9 is keto, hydroxy, or acyloxy;

R_{10} is hydroxy;

R_{14} is hydrido or hydroxy;

X_3 is substituted or unsubstituted alkyl, alkenyl, alkynyl or heterocyclo;

X_5 is $-COX_{10}$, $-COOX_{10}$, or $-CONHX_{10}$;

X_{10} is hydrocarbyl, substituted hydrocarbyl, or heterocyclo; and

Ac is acetyl.

12. (original) The method of claim 11 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl or 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

13. (original) The method of claim 11 wherein R_7 is $R_{7a}COO$- and R_{7a} is a heterosubstituted methyl wherein the heteroatom is substituted to form a heterocyclo, alkoxy, alkenoxy, alkynoxy, aryloxy, hydroxy, protected hydroxy, oxy, acyloxy, nitro, amino, amido, thiol, ketal, acetal, ester or ether.

14. (original) The method of claim 11 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

15. (original) The method of claim 11 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl or 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, R_7 is $R_{7a}COO-$ and R_{7a} is a heterosubstituted methyl wherein the heteroatom is substituted to form a heterocyclo, alkoxy, alkenoxy, alkynoxy, aryloxy, hydroxy, protected hydroxy, oxy, acyloxy, nitro, amino, amido, thiol, ketal, acetal, ester or ether.

16. (original) The method of claim 11 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl or 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

17. (original) The method of claim 11 wherein R_7 is $R_{7a}COO-$, R_{7a} is a heterosubstituted methyl wherein the heteroatom is substituted to form a heterocyclo, alkoxy, alkenoxy, alkynoxy, aryloxy, hydroxy, protected hydroxy, oxy, acyloxy, nitro, amino, amido, thiol, ketal, acetal, ester or ether, X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

18. (original) The method of claim 11 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, R_7 is $R_{7a}COO-$, R_{7a} is a heterosubstituted methyl wherein the heteroatom is substituted to form a heterocyclo, alkoxy, alkenoxy, alkynoxy, aryloxy, hydroxy, protected hydroxy, oxy, acyloxy, nitro, amino, amido, thiol, ketal, acetal, ester or ether, X_5 is $-COX_{10}$ and X_{10}

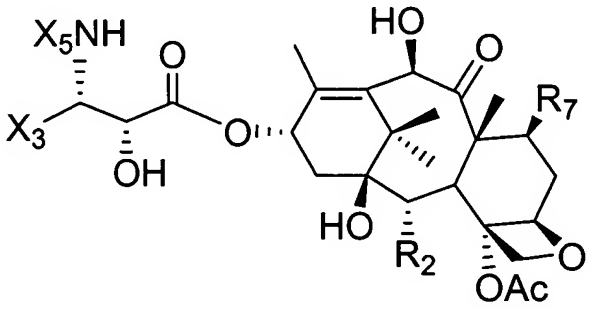
is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

19. (original) The method of claim 13 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl or 3-thienyl.

20. (original) The method of claim 14 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl or 3-thienyl.

21. (original) The method of claim 19 wherein R_7 is $R_{7a}COO$- and R_{7a} is a heterosubstituted methyl wherein the heteroatom is substituted to form an alkoxy or acyloxy.

22. (new) A taxane having the formula



wherein

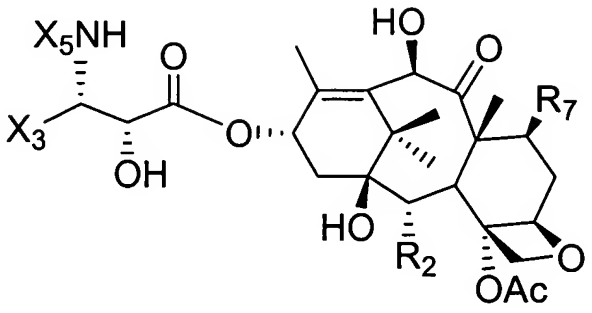
R_2 is benzoyloxy;

R_7 is $R_{7a}COO$- and R_{7a} is acetoxymethyl, methoxymethyl, or phenyloxymethyl;

X_3 is 2-furyl; and

X_5 is $-COX_{10}$ and X_{10} is isobutenyl.

23. (new) A taxane having the formula



wherein

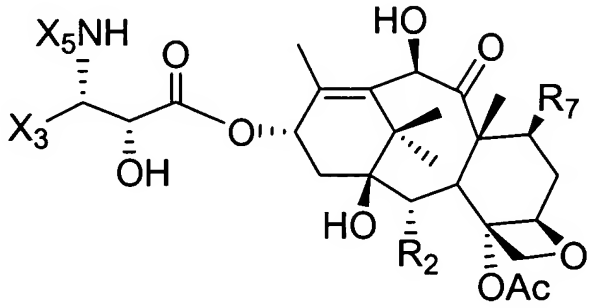
R_2 is benzoyloxy;

R_7 is $R_{7a}COO$- and R_{7a} is acetoxymethyl or methoxymethyl;

X_3 is 2-furyl; and

X_5 is -$COOX_{10}$ and X_{10} is t-amyl or t-butyl.

24. (new) A taxane having the formula



wherein

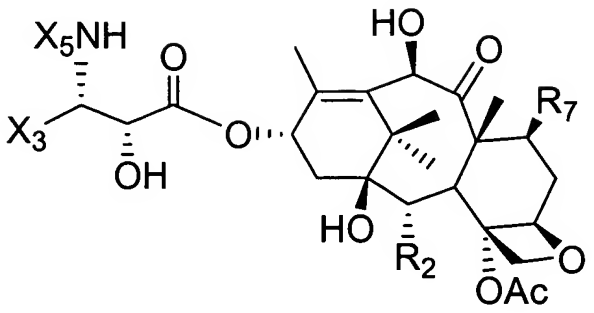
R_2 is benzoyloxy;

R_7 is $R_{7a}COO$- and R_{7a} is phenyloxymethyl, ethoxymethyl, or methylthiomethyl;

X_3 is 2-furyl;

X_5 is -$COOX_{10}$ and X_{10} is t-butyl.

25. (new) A taxane having the formula



wherein

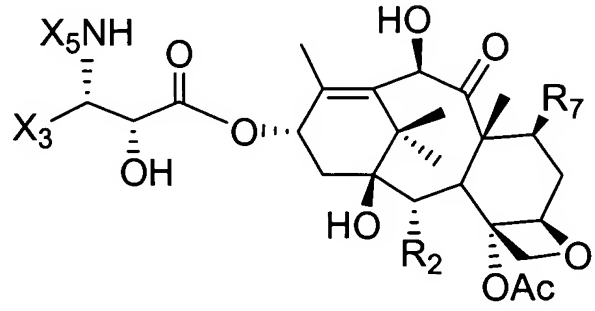
R_2 is benzoyloxy;

R_7 is $R_{7a}COO$- and R_{7a} is phenyloxymethyl;

X_3 is 2-furyl; and

X_5 is -COX_{10} and X_{10} is propenyl.

26. (new) A taxane having the formula



wherein

R_2 is benzoyloxy;

R_7 is $R_{7a}COO$- and R_{7a} is methoxymethyl or phenyloxymethyl;

X_3 is 2-furyl; and

X_5 is -COX_{10} and X_{10} trans-propenyl.